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NEWS 15 Jul 30 NETFIRST to be removed from STN
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NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
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NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
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NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
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NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
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NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
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NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
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NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
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L1 687202 CARBOHYDRATE

=> s l1 and (oxid? or reduc? or aminat?)
7 FILES SEARCHED...

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17 FILES SEARCHED...
28 FILES SEARCHED...
37 FILES SEARCHED...
L2      132512 L1 AND (OXID? OR REDUC? OR AMINAT?)
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=> s l2 and aqueous
39 FILES SEARCHED...
L3      4167 L2 AND AQUEOUS
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=> s l3 and catalys?
29 FILES SEARCHED...
L4      420 L3 AND CATALYS?
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=> s l4 and nano
37 FILES SEARCHED...
L5      1 L4 AND NANO
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=> s l4 and nano?
17 FILES SEARCHED...
31 FILES SEARCHED...
45 FILES SEARCHED...
L6      30 L4 AND NANO?
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=> s l6 and (polymer or polymer-stabilized)
17 FILES SEARCHED...
33 FILES SEARCHED...
L7      23 L6 AND (POLYMER OR POLYMER-STABILIZED)
```

```
=> dis 17 1-23 bib abs
```

L7 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2003 ACS
AN 2000:666737 CAPLUS
DN 133:254142
TI Catalytic method for modifying carbohydrates, alcohols, aldehydes or polyhydroxy compounds
IN Capan, Emine; Hahnlein, Marc Sascha; Prusse, Ulf; Vorlop, Klaus-Dieter; Haji Begli, Alireza
PA Sudzucker Aktiengesellschaft, Germany
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000055165	A1	20000921	WO 2000-EP2351	20000316
	W: AU, CA, IL, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19911504	A1	20001019	DE 1999-19911504	19990316
	EP 1165580	A1	20020102	EP 2000-925117	20000316
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	AU 747812	B2	20020523	AU 2000-43953	20000316
PRAI	DE 1999-19911504	A	19990316		
	WO 2000-EP2351	W	20000316		
AB	Industrial conversion of the title compds. in aq. phase is carried out in the presence of metal catalysts consisting of polymer-stabilized nanoparticles. A catalyst of this type is not deactivated by the conversion reaction as long as the stabilizing interaction between the polymer and the nanoparticles is maintained. For example, activity of an Al ₂ O ₃ -supported, poly(vinylpyrrolidone)-stabilized Pt colloid catalyst (prepn. given) in oxidn. of sorbose with O remained unchanged after 10 repeated expts. whereas the activity of a customary Al ₂ O ₃ -supported Pt catalyst decreased to .apprx.35% after 10 runs.				

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L7 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2003 ACS
AN 1983:432511 CAPLUS
DN 99:32511
TI Analyzing total trace nitrogen
IN Itoh, Tadamasa
PA Sumitomo Chemical Co., Ltd. , Japan
SO Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 75467	A1	19830330	EP 1982-304922	19820917
	R: BE, DE, GB, IT, NL				
	JP 58048853	A2	19830322	JP 1981-148366	19810918
	JP 03077458	B4	19911210		
PRAI	JP 1981-148366		19810918		
AB	A method for detg. total trace N in liq. or solid samples, comprises passing O or air as a carrier gas through a reaction tube packed with an oxidn. catalyst or oxidizing agent heated at a temp. in the range 550.degree. - 1,000.degree., introducing the sample contg. N into the reaction tube to convert the compd. into NO and NO ₂ ,				

oxidizing the NO into NO₂ with an aq. acidic K₂MnO₄ soln., and detg. the resultant total NO₂ by spectrophotometry according to the Saltzman method. The method was illustrated by several examples including the detn. of N in urea, NaNO₃, (NH₄)₂SO₄, and glycine solns.

L7 ANSWER 3 OF 23 CEN COPYRIGHT 2003 ACS

AN 2000:1274 CEN
TI EYES ON IONIC LIQUIDS
NATO workshop examines the industrial potential of green chemistry using room-temperature 'designer solvents'
SO Chemical & Engineering News, (15 May 2000) Vol. 78, No. 20, pp. 37.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 5172

L7 ANSWER 4 OF 23 CEN COPYRIGHT 2003 ACS

AN 2000:591 CEN
TI Exposition
SO Chemical & Engineering News, (28 Feb 2000) Vol. 78, No. 9, pp. 175.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 24185

L7 ANSWER 5 OF 23 CEN COPYRIGHT 2003 ACS

AN 1998:3058 CEN
TI MIMICKING NATURAL PHOTOSYNTHESIS
Systems that imitate aspects of natural photosynthetic energy conversion offer a number of potential payoffs
AU Freemantle, Michael
SO Chemical & Engineering News, (26 Oct 1998) Vol. 76, No. 43, pp. 37.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 6099

L7 ANSWER 6 OF 23 CEN COPYRIGHT 2003 ACS

AN 1998:2066 CEN
TI Exposition
SO Chemical & Engineering News, (27 Jul 1998) Vol. 76, No. 30, pp. 165.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 17692

L7 ANSWER 7 OF 23 CEN COPYRIGHT 2003 ACS

AN 1998:66 CEN
TI Chemistry Crystallizes Into Modern Science
The past 75 years have marked profound changes in the content, scope, and direction of the field
AU Borman, Stu; Dagani, Ron; Rawl, Rebecca L.; Zurer, Pamela S.
CS and
SO Chemical & Engineering News, (12 Jan 1998) Vol. 76, No. 2, pp. 39.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 16088

L7 ANSWER 8 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:1899 CEN
SO Chemical & Engineering News, (4 Aug 1997) Vol. 75, No. 31, pp. 123.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 15747

L7 ANSWER 9 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:649 CEN
TI Exposition
SO Chemical & Engineering News, (10 Mar 1997) Vol. 75, No. 10, pp. 167.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 17951

L7 ANSWER 10 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:525 CEN
TI ACS-PRF Grants for Fundamental Research in the Petroleum Field (Type G)
Awarded to faculty in Ph.D.-granting departments
SO Chemical & Engineering News, (24 Feb 1997) Vol. 75, No. 8, pp. 75.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 518

L7 ANSWER 11 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:515 CEN
TI COMBINATORIAL CHEMISTRY
Researchers continue to refine techniques for identifying potential drugs
in` libraries' of small organic molecules
AU Borman, Stu
SO Chemical & Engineering News, (24 Feb 1997) Vol. 75, No. 8, pp. 43.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 4803

L7 ANSWER 12 OF 23 CEN COPYRIGHT 2003 ACS

AN 97:317 CEN
TI Meeting information on the web
SO Chemical & Engineering News, (3 Feb 1997) Vol. 75, No. 5, pp. 70.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 8143

L7 ANSWER 13 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:1791 CEN
SO Chemical & Engineering News, (22 Jul 1996) Vol. 74, No. 30, pp. 133.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 16895

L7 ANSWER 14 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:1680 CEN
TI ACS-PRF Grants for Fundamental Research in the Petroleum Field (Type G)
Awarded to faculty in Ph.D.-granting departments
SO Chemical & Engineering News, (8 Jul 1996) Vol. 74, No. 28, pp. 45.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 1184

L7 ANSWER 15 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:466 CEN
TI Exposition
SO Chemical & Engineering News, (19 Feb 1996) Vol. 74, No. 8, pp. 131.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 14306

L7 ANSWER 16 OF 23 CEN COPYRIGHT 2003 ACS

AN 96:381 CEN
TI Combinatorial chemists focus on small molecules, molecular recognition,
and automation
AU Borman, Stu
CS C&EN Washington
SO Chemical & Engineering News, (12 Feb 1996) Vol. 74, No. 7, pp. 29.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 5669

L7 ANSWER 17 OF 23 CEN COPYRIGHT 2003 ACS

AN 95:1697 CEN
SO Chemical & Engineering News, (17 Jul 1995) Vol. 73, No. 29, pp. 69.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 18114

L7 ANSWER 18 OF 23 CEN COPYRIGHT 2003 ACS

AN 95:1463 CEN
TI 210th ACS NATIONAL MEETING
SO Chemical & Engineering News, (19 Jun 1995) Vol. 73, No. 25, pp. 44.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 5610

L7 ANSWER 19 OF 23 CEN COPYRIGHT 2003 ACS

AN 95:548 CEN
TI Special event
SO Chemical & Engineering News, (6 Mar 1995) Vol. 73, No. 10, pp. 42.
CODEN: CNEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 13505

L7 ANSWER 20 OF 23 CEN COPYRIGHT 2003 ACS

AN 94:4300 CEN
TI Biomolecular Materials
AU Tirrell, Jane G.; Fournier, Maurille J.; Mason, Thomas L.; Tirrell, David A.
CS and; University of Massachusetts, Amherst
SO Chemical & Engineering News, (19 Dec 1994) Vol. 72, No. 51, pp. 40.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 6877

L7 ANSWER 21 OF 23 CEN COPYRIGHT 2003 ACS

AN 94:3360 CEN
TI Environmentally Benign Chemistry Aims For Processes That Don't Pollute
Syntheses that minimize wastes are environmentally friendly and may
provide quality improvements, cost and energy savings
AU Illman, Deborah L.
CS C&EN West Coast News Bureau
SO Chemical & Engineering News, (5 Sep 1994) Vol. 72, No. 36, pp. 22.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 2899

L7 ANSWER 22 OF 23 CEN COPYRIGHT 2003 ACS

AN 94:1399 CEN
TI Technical Program Summary
SO Chemical & Engineering News, (10 Jan 1994) Vol. 72, No. 2, pp. 28.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 4032

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AN 2003:2430 PROMT
TI Patents.
SO Manufacturing Chemist, (Nov 2002) Vol. 73, No. 11, pp. 53 (3).
ISSN: ISSN: 0262-4230.
PB Polygon Media Ltd.
DT Newsletter
LA English
WC 3280
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L2 132512 S L1 AND (OXID? OR REDUC? OR AMINAT?)

L3 4167 S L2 AND AQUEOUS
L4 420 S L3 AND CATALYS?
L5 1 S L4 AND NANO
L6 30 S L4 AND NANO?
L7 23 S L6 AND (POLYMER OR POLYMER-STABILIZED)

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=> s 17
13 FILES SEARCHED...
18 FILES SEARCHED...
L8 1212 L7

=> s 14
17 FILES SEARCHED...
L9 9703 L4

=> s 19 and nano?
L10 1551 L9 AND NANO?

=> s 10 and (POLYMER OR POLYMER-STABILIZED)
14 FILES SEARCHED...
18 FILES SEARCHED...
L11 1095943 10 AND (POLYMER OR POLYMER-STABILIZED)

=> s 110 and (polymer(w)stabiliz)
L12 2 L10 AND (POLYMER(W) STABILIZ)

=> dis 112 1-2 bib abs

L12 ANSWER 1 OF 2 USPATFULL
AN 2002:136533 USPATFULL
TI Method for delivering bioactive agents using cochleates
IN Unger, Evan C., Tucson, AZ, United States
PA Imarx Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)
PI US 6403056 B1 20020611
AI US 2000-540448 20000331 (9)
RLI Division of Ser. No. US 1997-925353, filed on 8 Sep 1997, now patented,
Pat. No. US 6120751 Continuation-in-part of Ser. No. US 1997-823791,
filed on 21 Mar 1997, now patented, Pat. No. US 6143276
Continuation-in-part of Ser. No. US 1997-851780, filed on 6 May 1997,
now patented, Pat. No. US 6090800 Continuation-in-part of Ser. No. US
1997-877826, filed on 18 Jun 1997 Continuation-in-part of Ser. No. US
1997-887215, filed on 2 Jul 1997, now patented, Pat. No. US 6028066

DT Utility
FS GRANTED
EXNAM Primary Examiner: Hartley, Michael G.
LREP Woodcock Washburn LLP
CLMN Number of Claims: 63
ECL Exemplary Claim: 1
DRWN 8 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 6445
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to charged lipids, compositions

comprising charged lipids, and the use of these compositions in drug delivery, targeted drug delivery, therapeutic imaging and diagnostic imaging, as well as their use as contrast agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 2 OF 2 USPATFULL
AN 2000:124531 USPATFULL
TI Charged lipids and uses for the same
IN Unger, Evan C., Tucson, AZ, United States
PA ImaRx Pharmaceutical Corp., Tucson, AZ, United States (U.S. corporation)
PI US 6120751 20000919
AI US 1997-925353 19970908 (8)
RLI Continuation-in-part of Ser. No. US 1997-823791, filed on 21 Mar 1997
And a continuation-in-part of Ser. No. US 1997-851780, filed on 6 May
1997 And a continuation-in-part of Ser. No. US 1997-877826, filed on 18
Jun 1997 And a continuation-in-part of Ser. No. US 1997-887215, filed on
2 Jul 1997
DT Utility
FS Granted
EXNAM Primary Examiner: Dees, Jose' G.; Assistant Examiner: Hartley, Michael
G.
LREP Woodcock Washburn Kurtz Mackiewicz & Norris LLP
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 4 Drawing Figure(s); 4 Drawing Page(s)
LN.CNT 6059
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to charged lipids, compositions comprising charged lipids, and the use of these compositions in drug delivery, targeted drug delivery, therapeutic imaging and diagnostic imaging, as well as their use as contrast agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s 110 and (polymer or polymer(w)stabil?)
16 FILES SEARCHED...
L13 1212 L10 AND (POLYMER OR POLYMER(W) STABLIL?)

=> s 113 and (platinum or palladium or rhodium or ruthenium)
L14 398 L13 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)

=> s 110 and (polymer or polymer(w)stabil?)
14 FILES SEARCHED...
L15 1212 L10 AND (POLYMER OR POLYMER(W) STABIL?)

=> s 115 and (platinum or palladium or rhodium or ruthenium)
L16 398 L15 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)

=> s 116 and support
L17 301 L16 AND SUPPORT

=> s 117 and alloy
L18 80 L17 AND ALLOY

=> s 118 and promoter
L19 21 L18 AND PROMOTER

=> dis 119 1-21 bib abs

L19 ANSWER 1 OF 21 USPATFULL
AN 2002:290788 USPATFULL
TI Arrays of proteins and methods of use thereof

IN Wagner, Peter, Belmont, CA, United States
Ault-Riche, Dana, Palo Alto, CA, United States
Nock, Steffen, Redwood City, CA, United States
Itin, Christian, Menlo Park, CA, United States
PA Zyomyx, Incorporated, Hayward, CA, United States (U.S. corporation)
PI US 6475808 B1 20021105
AI US 1999-353215 19990714 (9)
RLI Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998
DT Utility
FS GRANTED
EXNAM Primary Examiner: Chin, Christopher L.
LREP Hager, Alicia J., Heinkel, Gregory L.
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 2339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfilms on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 2 OF 21 USPATFULL
AN 2002:235434 USPATFULL
TI Biosensors, reagents and diagnostic applications of directed evolution
IN Minshull, Jeremy, Menlo Park, CA, UNITED STATES
Davis, S. Christopher, San Francisco, CA, UNITED STATES
Welch, Mark, Fremont, CA, UNITED STATES
Raillard, Sun Ai, Mountain View, CA, UNITED STATES
Vogel, Kurt, Palo Alto, CA, UNITED STATES
Krebber, Claus, Mountain View, CA, UNITED STATES
PA Maxygen, Inc., Redwood City, CA (U.S. corporation)
PI US 2002127623 A1 20020912
AI US 2001-920607 A1 20010731 (9)
PRAI US 2000-222056P 20000731 (60)
US 2000-244764P 20001031 (60)
DT Utility
FS APPLICATION
LREP LAW OFFICES OF JONATHAN ALAN QUINE, P O BOX 458, ALAMEDA, CA, 94501
CLMN Number of Claims: 130
ECL Exemplary Claim: 1
DRWN 7 Drawing Page(s)
LN.CNT 6877

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for sensing test stimuli using arrays of biopolymers are provided. Libraries of biopolymers, such nucleic acid variants, and expression products encoded by nucleic acid variants are provided. Reusable library arrays, and methods for their use are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 3 OF 21 USPATFULL
AN 2002:206239 USPATFULL
TI Arrays of proteins and methods of use thereof
IN Wagner, Peter, Belmont, CA, UNITED STATES
Ault-Riche, Dana, Palo Alto, CA, UNITED STATES
Nock, Steffen, Redwood City, CA, UNITED STATES
Itin, Christian, Menlo Park, CA, UNITED STATES
PI US 2002110933 A1 20020815

AI US 2002-113964 A1 20020329 (10)
RLI Continuation of Ser. No. US 1999-353215, filed on 14 Jul 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998,
GRANTED, Pat. No. US 6406921

DT Utility
FS APPLICATION
LREP Zyomyx, 26101 Research Road, Hayward, CA, 94545
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 2275

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfims on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 4 OF 21 USPATFULL
AN 2002:206238 USPATFULL
TI Microdevices for screening biomolecules
IN Wagner, Peter, Belmont, CA, UNITED STATES
Ault-Riche, Dana, Palo Alto, CA, UNITED STATES
Nock, Steffen, Redwood City, CA, UNITED STATES
Itin, Christian, Menlo Park, CA, UNITED STATES
PI US 2002110932 A1 20020815
AI US 2002-112982 A1 20020329 (10)
RLI Continuation of Ser. No. US 1999-353554, filed on 14 Jul 1999, PENDING
Continuation-in-part of Ser. No. US 1998-115397, filed on 14 Jul 1998,
PENDING

DT Utility
FS APPLICATION
LREP Zyomyx, 26101 Research Road, Hayward, CA, 94545
CLMN Number of Claims: 45
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 2363

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and devices for the parallel, in vitro screening of biomolecular activity using miniaturized microfabricated devices are provided. The biomolecules immobilized on the surface of the devices of the present invention include proteins, polypeptides, polynucleotides, polysaccharides, phospholipids, and related unnatural polymers of biological relevance. These devices are useful drug development, functional proteomics and clinical diagnostics and are preferably used for the parallel screening of families of related proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 5 OF 21 USPATFULL
AN 2002:85119 USPATFULL
TI Ion channel assay methods
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002045159 A1 20020418
AI US 2001-804457 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH

FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 48
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4811

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 6 OF 21 USPATFULL
AN 2002:60923 USPATFULL
TI Single-molecule selection methods and compositions therefrom
IN Cubicciotti, Roger S., Montclair, NJ, UNITED STATES
PI US 2002034757 A1 20020321
AI US 2001-907385 A1 20010717 (9)
RLI Continuation of Ser. No. US 1998-81930, filed on 20 May 1998, GRANTED,
Pat. No. US 6287765
DT Utility
FS APPLICATION
LREP LICATA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053
CLMN Number of Claims: 129
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15716

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Single-molecule selection methods are provided for identifying target-binding molecules from diverse sequence and shape libraries. Complexes and imprints of selected target-binding molecules are also provided. The subject selection methods are used to identify oligonucleotide and nonnucleotide molecules with desirable properties for use in pharmaceuticals, drug discovery, drug delivery, diagnostics, medical devices, cosmetics, agriculture, environmental remediation, smart materials, packaging, microelectronics and nanofabrication. Single oligonucleotide molecules with desirable binding properties are selected from diverse sequence libraries and identified by amplification and sequencing. Alternatively, selected oligonucleotide molecules are identified by sequencing without amplification. Nonnucleotide molecules with desirable properties are identified by single-molecule selection from libraries of conjugated molecules or nucleotide-encoded nonnucleotide molecules. Alternatively, target-specific nonnucleotide molecules are prepared by imprinting selected oligonucleotide molecules into nonnucleotide molecular media. Complexes and imprints of molecules identified by single-molecule selection are shown to have broad utility as drugs, prodrugs, drug delivery systems, willfully reversible cosmetics, diagnostic reagents, sensors, transducers, actuators, adhesives, adherents and novel multimolecular devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 7 OF 21 USPATFULL
AN 2002:48289 USPATFULL
TI High throughput method and system for screening candidate compounds for activity against target ion channels
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002028480 A1 20020307
AI US 2001-804580 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility

FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH
FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4846
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Drug candidate screening methods are applied to discover compounds with activity against ion channel targets. The method may include modulating the transmembrane potential of host cells in a plurality of sample wells with a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 8 OF 21 USPATFULL
AN 2002:43207 USPATFULL
TI Multi-well plate and electrode assemblies for ion channel assays
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002025573 A1 20020228
AI US 2001-804458 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH
FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4720
AB Plate and electrode assemblies include configurations allowing for relatively uniform electric field production. The electrodes may comprise strips of conductive material plated onto the bottom surface of sample wells or they may comprise plate electrodes extending down into the well. In some embodiments, the electric field strength varies by less than about 10% from a mean field intensity over at least about 20% of the surface area of the bottom surface of a sample well.

L19 ANSWER 9 OF 21 USPATFULL
AN 2002:43202 USPATFULL
TI Ion channel assay methods
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002025568 A1 20020228
AI US 2001-804480 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH
FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4691

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 10 OF 21 USPATFULL
AN 2001:235126 USPATFULL
TI Hydrogel compositions for controlled delivery of virus vectors and methods of use thereof
IN Levy, Robert J., Merion Station, PA, United States
Crombleholme, Timothy, Haverford, PA, United States
Vyawahare, Narendra, Erial, NJ, United States
PA The Children's Hospital of Philadelphia, Philadelphia, PA, United States
(U.S. corporation)
PI US 6333194 B1 20011225
AI US 2000-487854 20000119 (9)
PRAI US 1999-116538P 19990119 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Wang, Andrew; Assistant Examiner: Zara, Jane
LREP Foley & Lardner
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 3154

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to compositions and methods for delivering a virus vector to an animal. The compositions include compositions which comprise a hydrogel matrix (e.g. a collagen matrix which can comprise a poloxamer or an alginate) containing a virus vector therein in a transfectious form. The invention also includes methods of making such hydrogel precursor mixtures and hydrogel matrices, including particles, devices, bulk materials, and other objects which comprise, consist of, or are coated with such mixtures or matrices. The invention further relates to compositions comprising a hydrogel precursor mixture having a virus vector suspended therein, which, when administered to an animal, gel to form a hydrogel matrix containing a virus vector therein in a transfectious form. Methods of delivering a virus vector to an animal tissue are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 11 OF 21 USPATFULL
AN 2001:185024 USPATFULL
TI Electronic-property probing of biological molecules at surfaces
IN Bamdad, Cynthia C., San Marino, CA, United States
PA President and Fellows of Harvard College, Cambridge, MA, United States
(U.S. corporation)
PI US 6306584 B1 20011023
AI US 1997-843623 19970410 (8)
RLI Continuation-in-part of Ser. No. US 1997-804883, filed on 24 Feb 1997,
now abandoned Continuation-in-part of Ser. No. US 1997-786153, filed on
21 Jan 1997, now abandoned
DT Utility
FS GRANTED
EXNAM Primary Examiner: Houtteman, Scott W.
LREP Trecartin, Richard R., Silva, Robin M. Flehr Hohbach Test Albritton &
Herbert LLP
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 18 Drawing Figure(s); 17 Drawing Page(s)
LN.CNT 2680
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A technique for immobilizing biological molecules, in particular nucleic acid strands, is described. Biological molecules immobilized at surfaces can be used in electron-transfer detection techniques in which a binding

partner of a biological molecule is brought into proximity of the surface-immobilized biological molecule, an electrical potential created between the two biologically-binding species, and electron transfer through the species determined. Another technique involves immobilizing a biological molecule such as a protein, DNA, etc. at a surface via a self-assembled monolayer, affecting the biological molecule via, for example, biological binding, inducing a change in conformation via a prion, etc., and detecting an electronic property change in the molecule via a change in impedance associated with an electronic circuit addressed by the biological molecule. These techniques facilitates combinatorial array detection articles.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 12 OF 21 USPATFULL
AN 2001:155603 USPATFULL
TI Multi-array, multi-specific electrochemiluminescence testing
IN Wohlstadter, Jacob N., Rockville, MD, United States
Wilbur, James, Rockville, MD, United States
Sigal, George, Gaithersburg, MD, United States
Martin, Mark, Rockville, MD, United States
Guo, Liang-Hong, Laurel, MD, United States
Fischer, Alan, Cambridge, MA, United States
Leland, Jon, Silver Spring, MD, United States
Billadeau, Mark A., Mt. Airy, MD, United States
PA Meso Scale Technologies, LLC (U.S. corporation)
PI US 2001021534 A1 20010913
AI US 2001-771796 A1 20010129 (9)
RLI Continuation of Ser. No. US 1996-715163, filed on 17 Sep 1996, GRANTED,
Pat. No. US 6207369 Continuation-in-part of Ser. No. US 1996-611804,
filed on 6 Mar 1996, GRANTED, Pat. No. US 6066448 Continuation-in-part
of Ser. No. US 1995-402076, filed on 10 Mar 1995, ABANDONED
Continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar 1995,
ABANDONED
DT Utility
FS APPLICATION
LREP Kramer Levin Naftalis & Frankel LLP, 919 THIRD AVENUE, NEW YORK, NY,
10022
CLMN Number of Claims: 74
ECL Exemplary Claim: 1
DRWN 39 Drawing Page(s)
LN.CNT 6383
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Materials and methods are provided for producing patterned multi-array,
multi-specific surfaces for use in diagnostics. The invention provides
for electrochemiluminescence methods for detecting or measuring an
analyte of interest. It also provides for novel electrodes for ECL
assays. Materials and methods are provided for the chemical and/or
physical control of conducting domains and reagent deposition for use
in multiple specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 13 OF 21 USPATFULL
AN 2001:152673 USPATFULL
TI Methods for detecting and identifying single molecules
IN Cubicciotti, Roger S., Montclair, NJ, United States
PA Molecular Machines, Inc., Montclair, NJ, United States (U.S.
corporation)
PI US 6287765 B1 20010911
AI US 1998-81930 19980520 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Fredman, Jeffrey

LREP Licata & Tyrrell P.C.
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15456

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multimolecular devices and drug delivery systems prepared from synthetic heteropolymers, heteropolymeric discrete structures, multivalent heteropolymeric hybrid structures, aptameric multimolecular devices, multivalent imprints, tethered specific recognition devices, paired specific recognition devices, nonaptameric multimolecular devices and immobilized multimolecular structures are provided, including molecular adsorbents and multimolecular adherents, adhesives, transducers, switches, sensors and delivery systems. Methods for selecting single synthetic nucleotides, shape-specific probes and specifically attractive surfaces for use in these multimolecular devices are also provided. In addition, paired nucleotide-nonnucleotide mapping libraries for transposition of selected populations of selected nonoligonucleotide molecules into selected populations of replicatable nucleotide sequences are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 14 OF 21 USPATFULL

AN 2001:43927 USPATFULL
TI Multi-array, multi-specific electrochemiluminescence testing
IN Wohlstadter, Jacob N., Rockville, MD, United States
Wilbur, James, Rockville, MD, United States
Sigal, George, Gaithersburg, MD, United States
Martin, Mark, Rockville, MD, United States
Guo, Liang-Hong, Laurel, MD, United States
Fischer, Alan, Cambridge, MA, United States
Leland, Jon, Silver Spring, MD, United States
Billadeau, Mark A., Mt. Airy, MD, United States
PA Meso Scale Technologies, LLC, Gaithersburg, MD, United States (U.S. corporation)
PI US 6207369 B1 20010327
AI US 1996-715163 19960917 (8)
RLI Continuation-in-part of Ser. No. US 1996-611804, filed on 6 Mar 1996, now patented, Pat. No. US 6066448 Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995, now abandoned Continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar 1995, now abandoned

DT Utility
FS Granted

EXNAM Primary Examiner: Chin, Christopher L.

LREP Kramer Levin Naftalis & Frankel LLP

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN 87 Drawing Figure(s); 47 Drawing Page(s)

LN.CNT 6321

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array, multi-specific surfaces for use in diagnostics. The invention provides for electrochemiluminescence methods for detecting or measuring an analyte of interest. It also provides for novel electrodes for ECL assays. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 15 OF 21 USPATFULL

AN 2001:14146 USPATFULL

TI Gel sensors and method of use thereof

IN Everhart, Dennis S., Alpharetta, GA, United States
Kaylor, Rosann M., Cumming, GA, United States
Jones, Mark L., Atlanta, GA, United States
PA Kimberly-Clark Worldwide, Inc., Neenah, WI, United States (U.S.
corporation)

PI US 6180288 B1 20010130
AI US 1997-821464 19970321 (8)

DT Utility
FS Granted

EXNAM Primary Examiner: Angebranndt, Martin
LREP Jones & Askew, LLP

CLMN Number of Claims: 36

ECL Exemplary Claim: 19

DRWN 25 Drawing Figure(s); 19 Drawing Page(s)

LN.CNT 1923

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention comprises an optically diffracting sensing device whose diffraction pattern changes upon exposure to some stimuli. The diffraction pattern may be two or three dimensional, and in one embodiment the change in diffraction patterns is recognizable to the untrained eye. The device comprises one or more gels coated onto patterned, self-assembling monolayers of alkanethiolates, carboxylic acids, hydroxamic acids, and phosphonic acids printed onto a variety of substrates, including glass, silicon, aluminum oxide, and thermoplastic films metallized with gold, or with an alloy such as nickel/gold. The present invention also comprises the method of making this device, and the use of this device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 16 OF 21 USPATFULL

AN 2000:146091 USPATFULL

TI Multi-array, multi-specific electrochemiluminescence testing

IN Wohlstadtter, Jacob, Cambridge, MA, United States

Wilbur, James, Rockville, MD, United States

Sigal, George, Gaithersburg, MD, United States

Martin, Mark, Rockville, MD, United States

Guo, Liang-Hong, Laurel, MD, United States

Fischer, Alan, Cambridge, MA, United States

Leland, Jon, Silver Spring, MD, United States

PA Meso Scale Technologies, Gaithersburg, MD, United States (U.S.
corporation)

PI US 6140045 20001031

AI US 1997-814085 19970306 (8)

RLI Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995,
now abandoned which is a continuation of Ser. No. US 1995-402277, filed
on 10 Mar 1995, now abandoned

PRAI US 1996-12957P 19960306 (60)

DT Utility

FS Granted

EXNAM Primary Examiner: Chin, Christopher L.

LREP Whitman Breed Abbott & Morgan LLP

CLMN Number of Claims: 45

ECL Exemplary Claim: 1

DRWN 62 Drawing Figure(s); 26 Drawing Page(s)

LN.CNT 4524

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array,
multi-specific surfaces which are electronically excited for use in
electrochemiluminescence based tests. Materials and methods are provided
for the chemical and/or physical control of conducting domains and
reagent deposition for use in flat panel displays and multiply specific
testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 17 OF 21 USPATFULL
AN 2000:91700 USPATFULL
TI Multi-array, multi-specific electrochemiluminescence testing
IN Wohlstadter, Jacob, Rockville, MD, United States
Wilbur, James, Rockville, MD, United States
Sigal, George, Gaithersburg, MD, United States
Martin, Mark, Rockville, MD, United States
Guo, Liang-Hong, Laurel, MD, United States
Fischer, Alan, Cambridge, MA, United States
LeLland, Jon, Silver Spring, MD, United States
PA Meso Scale Technologies, LLC., Gaithersburg, MD, United States (U.S.
corporation)
PI US 6090545 20000718
AI US 1997-814141 19970306 (8)
RLI Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995
And a continuation-in-part of Ser. No. US 1995-402277, filed on 10 Mar
1995
PRAI US 1996-12958P 19960306 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christopher L.
LREP Whitman Breed Abbott & Morgan LLP
CLMN Number of Claims: 80
ECL Exemplary Claim: 21
DRWN 60 Drawing Figure(s); 26 Drawing Page(s)
LN.CNT 4731
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Materials and methods are provided for producing patterned multi-array,
multi-specific surfaces which are electronically excited for use in
electrochemiluminescence based tests. Materials and methods are provided
for the chemical and/or physical control of conducting domains and
reagent deposition for use in flat panel displays and multiply specific
testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 18 OF 21 USPATFULL
AN 2000:64674 USPATFULL
TI Multi-array, multi-specific electrochemiluminescence testing
IN Wohlstadter, Jacob N., Cambridge, MA, United States
Wilbur, James, Rockville, MD, United States
Sigal, George, Gaithersburg, MD, United States
Martin, Mark, Rockville, MD, United States
Guo, Liang-Hong, Laurel, MD, United States
Fischer, Alan, Cambridge, MA, United States
LeLland, Jon, Silver Spring, MD, United States
PA Meso Sclae Technologies, LLC., Gaithersburg, MD, United States (U.S.
corporation)
PI US 6066448 20000523
AI US 1996-611804 19960306 (8)
RLI Continuation-in-part of Ser. No. US 1995-402076, filed on 10 Mar 1995
which is a continuation-in-part of Ser. No. US 1995-402277, filed on 10
Mar 1995
DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christian L.
LREP Whitman Breed Abbott & Morgan LLP
CLMN Number of Claims: 119
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 26 Drawing Page(s)
LN.CNT 4770
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Materials and methods are provided for producing patterned multi-array, multi-specific surfaces which are electronically excited for use in electrochemiluminescence based tests. Materials and methods are provided for the chemical and/or physical control of conducting domains and reagent deposition for use in flat panel displays and multiply specific testing procedures.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 19 OF 21 USPATFULL
AN 92:78819 USPATFULL
TI Methods of assay
IN Forrest, Gordon C., Braemore, High Park Avenue, East Horsley, Surrey KT24 5DP, England
Hill, Hugh A. O., 9 Clover Close, Oxford, England
Rattle, Simon J., 29, Lower Street, Quainton, Buckinghamshire, HP22 4BL, England
Robinson, Grenville A., 23 Burnham Way, Ealing, London W13 9YF, England
PI US 5149630 19920922
AI US 1988-157100 19880209 (7)
RLI Continuation of Ser. No. US 1985-694923, filed on 25 Jan 1985, now abandoned
PRAI GB 1984-2058 19840126
DT Utility
FS Granted
EXNAM Primary Examiner: Kepplinger, Esther L.; Assistant Examiner: Chin, Christopher L.
LREP Ostrolenk, Faber, Gerb & Soffen
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 14 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 1231

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An electrochemical specific binding assay of a ligand (e.g., antigen, hapten or antibody) wherein at least one of the components is enzyme-labelled, and which includes the step of determining the extent to which the transfer of electrons between the enzyme substrate and an electrode, associated with the substrate reaction, is perturbed by complex formation or by displacement of any ligand complex relative to unbound enzyme-labelled component.

The electron transfer is aided by electron-transfer mediators which can accept electrons from the enzyme and donate them to the electrode or vice versa (e.g. ferrocene) or by electron-transfer **promoters** which retain the enzyme in close proximity with the electrode without themselves taking up a formal charge.

The electrochemical apparatus will typically comprise two or three electrodes, including one working electrode onto which components may advantageously be immobilized.

The use of direct electrochemical measurement of the enzyme label avoids the errors and inconvenience of the known indirect measurement techniques.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 20 OF 21 USPATFULL
AN 90:15662 USPATFULL
TI Decolorization of glycosides
IN McDaniel, Jr., Robert S., Decatur, IL, United States
McCurry, Patrick M., Decatur, IL, United States
Short, Rolland W. P., Decatur, IL, United States
Glor, Paul R., Decatur, IL, United States

PA Henkel Kommanditgesellschaft auf Aktien, Duesseldorf, Germany, Federal
Republic of (non-U.S. corporation)
PI US 4904774 19900227
AI US 1988-185016 19880422 (7)
DCD 20050809
RLI Continuation of Ser. No. US 1984-674109, filed on 21 Nov 1984, now
patented, Pat. No. US 4762918
DT Utility
FS Granted
EXNAM Primary Examiner: Brown, Johnnie R.; Assistant Examiner: Peselev, Elli
LREP Szoke, Ernest G., Jaeschke, Wayne C., Ortiz, Daniel S.
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 465
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The catalytic hydrogenation of a glycoside composition to reduce
the color of the composition is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 21 OF 21 USPATFULL
AN 88:50385 USPATFULL
TI Decolorization of glycosides
IN McDaniel, Jr., Robert S., Decatur, IL, United States
McCurry, Patrick M., Decatur, IL, United States
Short, Rolland W. P., Decatur, IL, United States
Glor, Paul R., Decatur, IL, United States
PA Staley Continental, Inc., Rolling Meadows, IL, United States (U.S.
corporation)
PI US 4762918 19880809
AI US 1984-674109 19841121 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Griffin, Ronald W.; Assistant Examiner: Peselev, Elli
LREP Campbell, Michael F., Collins, Forrest L., Bateman, Philip L.
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 502
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The catalytic hydrogenation of a glycoside composition to reduce
the color of the composition is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 16:26:32 ON 17 MAR 2003)

FILE 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE,
BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN,
COMPENDEX, CONFSCI, COPPERLIT, CORROSION, ENCOMPLIT, ENCOMPLIT2, FEDRIP,
GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, ...' ENTERED AT 16:26:48 ON 17
MAR 2003

L1 687202 S CARBOHYDRATE
L2 132512 S L1 AND (OXID? OR REDUC? OR AMINAT?)
L3 4167 S L2 AND AQUEOUS
L4 420 S L3 AND CATALYS?
L5 1 S L4 AND NANO
L6 30 S L4 AND NANO?
L7 23 S L6 AND (POLYMER OR POLYMER-STABILIZED)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS, PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL, USPAT2, WPIINDEX, WTEXTILES' ENTERED AT 16:36:17 ON 17 MAR 2003

L8 1212 S L7
L9 9703 S L4
L10 1551 S L9 AND NANO?
L11 1095943 S 10 AND (POLYMER OR POLYMER-STABILIZED)
L12 2 S L10 AND (POLYMER(W) STABILIZ)
L13 1212 S L10 AND (POLYMER OR POLYMER(W) STABIL?)
L14 398 S L13 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)
L15 1212 S L10 AND (POLYMER OR POLYMER(W) STABIL?)
L16 398 S L15 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)
L17 301 S L16 AND SUPPORT
L18 80 S L17 AND ALLOY
L19 21 S L18 AND PROMOTER

=> s l4 and (fructose or sorbose or sucrose or isomalt?)
16 FILES SEARCHED...
L20 4834 L4 AND (FRUCTOSE OR SORBOSE OR SUCROSE OR ISOMALT?)

=> s l20 and nano?
L21 763 L20 AND NANO?

=> s l21 and (polymer or stabili? or polymer-stabili?)
13 FILES SEARCHED...
L22 716 L21 AND (POLYMER OR STABILI? OR POLYMER-STABILI?)

=> s l22 and (palladium or platinum or rhodium or ruthenium or cooper or nickel)
L23 300 L22 AND (PALLADIUM OR PLATINUM OR RHODIUM OR RUTHENIUM OR COOPE
R OR NICKEL)

=> s l23 and promoter
L24 138 L23 AND PROMOTER

=> s l24 and (aqueous or water)
18 FILES SEARCHED...
L25 138 L24 AND (AQUEOUS OR WATER)

=> s l25 and (support and material)
16 FILES SEARCHED...
L26 124 L25 AND (SUPPORT AND MATERIAL)

=> s l26 and membrane
L27 120 L26 AND MEMBRANE

=> s l27 and alloy
L28 10 L27 AND ALLOY

=> dis l28 1-10 bib abs

L28 ANSWER 1 OF 10 USPATFULL
AN 2002:290788 USPATFULL
TI Arrays of proteins and methods of use thereof
IN Wagner, Peter, Belmont, CA, United States
Ault-Riche, Dana, Palo Alto, CA, United States
Nock, Steffen, Redwood City, CA, United States
Itin, Christian, Menlo Park, CA, United States
PA Zyomyx, Incorporated, Hayward, CA, United States (U.S. corporation)
PI US 6475808 B1 20021105
AI US 1999-353215 19990714 (9)
RLI Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998
DT Utility
FS GRANTED
EXNAM Primary Examiner: Chin, Christopher L.

LREP Hager, Alicia J., Heinkel, Gregory L.
CLMN Number of Claims: 3
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 2339

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfilms on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 2 OF 10 USPATFULL
AN 2002:235434 USPATFULL
TI Biosensors, reagents and diagnostic applications of directed evolution
IN Minshull, Jeremy, Menlo Park, CA, UNITED STATES
Davis, S. Christopher, San Francisco, CA, UNITED STATES
Welch, Mark, Fremont, CA, UNITED STATES
Raillard, Sun Ai, Mountain View, CA, UNITED STATES
Vogel, Kurt, Palo Alto, CA, UNITED STATES
Krebber, Claus, Mountain View, CA, UNITED STATES
PA Maxygen, Inc., Redwood City, CA (U.S. corporation)
PI US 2002127623 A1 20020912
AI US 2001-920607 A1 20010731 (9)
PRAI US 2000-222056P 20000731 (60)
US 2000-244764P 20001031 (60)
DT Utility
FS APPLICATION
LREP LAW OFFICES OF JONATHAN ALAN QUINE, P O BOX 458, ALAMEDA, CA, 94501
CLMN Number of Claims: 130
ECL Exemplary Claim: 1
DRWN 7 Drawing Page(s)
LN.CNT 6877

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods for sensing test stimuli using arrays of biopolymers are provided. Libraries of biopolymers, such nucleic acid variants, and expression products encoded by nucleic acid variants are provided. Reusable library arrays, and methods for their use are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 3 OF 10 USPATFULL
AN 2002:206239 USPATFULL
TI Arrays of proteins and methods of use thereof
IN Wagner, Peter, Belmont, CA, UNITED STATES
Ault-Riche, Dana, Palo Alto, CA, UNITED STATES
Nock, Steffen, Redwood City, CA, UNITED STATES
Itin, Christian, Menlo Park, CA, UNITED STATES
PI US 2002110933 A1 20020815
AI US 2002-113964 A1 20020329 (10)
RLI Continuation of Ser. No. US 1999-353215, filed on 14 Jul 1999, ABANDONED
Continuation-in-part of Ser. No. US 1998-115455, filed on 14 Jul 1998,
GRANTED, Pat. No. US 6406921
DT Utility
FS APPLICATION
LREP Zyomyx, 26101 Research Road, Hayward, CA, 94545
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 2275

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Protein arrays for the parallel, in vitro screening of biomolecular activity are provided. Methods of using the protein arrays are also disclosed. On the arrays, a plurality of different proteins, such as different members of a single protein family, are immobilized on one or more organic thinfims on the substrate surface. The protein arrays are particularly useful in drug development, proteomics, and clinical diagnostics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 4 OF 10 USPATFULL
AN 2002:85119 USPATFULL
TI Ion channel assay methods
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002045159 A1 20020418
AI US 2001-804457 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 48
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4811

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 5 OF 10 USPATFULL
AN 2002:60923 USPATFULL
TI Single-molecule selection methods and compositions therefrom
IN Cubicciotti, Roger S., Montclair, NJ, UNITED STATES
PI US 2002034757 A1 20020321
AI US 2001-907385 A1 20010717 (9)
RLI Continuation of Ser. No. US 1998-81930, filed on 20 May 1998, GRANTED, Pat. No. US 6287765
DT Utility
FS APPLICATION
LREP LICATA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053
CLMN Number of Claims: 129
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15716

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Single-molecule selection methods are provided for identifying target-binding molecules from diverse sequence and shape libraries. Complexes and imprints of selected target-binding molecules are also provided. The subject selection methods are used to identify oligonucleotide and nonnucleotide molecules with desirable properties for use in pharmaceuticals, drug discovery, drug delivery, diagnostics, medical devices, cosmetics, agriculture, environmental remediation, smart materials, packaging, microelectronics and nanofabrication. Single oligonucleotide molecules with desirable binding properties are selected from diverse sequence libraries and identified by amplification and sequencing. Alternatively, selected oligonucleotide molecules are identified by sequencing without

amplification. Nonnucleotide molecules with desirable properties are identified by single-molecule selection from libraries of conjugated molecules or nucleotide-encoded nonnucleotide molecules. Alternatively, target-specific nonnucleotide molecules are prepared by imprinting selected oligonucleotide molecules into nonnucleotide molecular media. Complexes and imprints of molecules identified by single-molecule selection are shown to have broad utility as drugs, prodrugs, drug delivery systems, willfully reversible cosmetics, diagnostic reagents, sensors, transducers, actuators, adhesives, adherents and novel multimolecular devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 6 OF 10 USPATFULL
AN 2002:48289 USPATFULL
TI High throughput method and system for screening candidate compounds for activity against target ion channels
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002028480 A1 20020307
AI US 2001-804580 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 50
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4846

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Drug candidate screening methods are applied to discover compounds with activity against ion channel targets. The method may include modulating the transmembrane potential of host cells in a plurality of sample wells with a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 7 OF 10 USPATFULL
AN 2002:43207 USPATFULL
TI Multi-well plate and electrode assemblies for ion channel assays
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002025573 A1 20020228
AI US 2001-804458 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4720

AB Plate and electrode assemblies include configurations allowing for relatively uniform electric field production. The electrodes may comprise strips of conductive material plated onto the bottom surface of sample wells or they may comprise plate electrodes extending down into the well. In some embodiments, the electric field strength varies by less than about 10% from a mean field intensity over at least about 20% of the surface area of the bottom surface of a sample well.

L28 ANSWER 8 OF 10 USPATFULL
AN 2002:43202 USPATFULL
TI Ion channel assay methods
IN Maher, Michael P., San Diego, CA, UNITED STATES
Gonzalez, Jesus E., III, San Diego, CA, UNITED STATES
PI US 2002025568 A1 20020228
AI US 2001-804480 A1 20010312 (9)
PRAI US 2000-217671P 20000710 (60)
DT Utility
FS APPLICATION
LREP KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH
FLOOR, NEWPORT BEACH, CA, 92660
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 35 Drawing Page(s)
LN.CNT 4691

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of characterizing the biological activity of a candidate compound may include exposing cells to the candidate compound, and then exposing the cells to a repetitive application of electric fields so as to set the transmembrane potential to a level corresponding to a pre-selected voltage dependent state of a target ion channel.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 9 OF 10 USPATFULL
AN 2001:235126 USPATFULL
TI Hydrogel compositions for controlled delivery of virus vectors and methods of use thereof
IN Levy, Robert J., Merion Station, PA, United States
Crombleholme, Timothy, Haverford, PA, United States
Vyawahare, Narendra, Erial, NJ, United States
PA The Children's Hospital of Philadelphia, Philadelphia, PA, United States
(U.S. corporation)
PI US 6333194 B1 20011225
AI US 2000-487854 20000119 (9)
PRAI US 1999-116538P 19990119 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Wang, Andrew; Assistant Examiner: Zara, Jane
LREP Foley & Lardner
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 9 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 3154

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to compositions and methods for delivering a virus vector to an animal. The compositions include compositions which comprise a hydrogel matrix (e.g. a collagen matrix which can comprise a poloxamer or an alginate) containing a virus vector therein in a transfectious form. The invention also includes methods of making such hydrogel precursor mixtures and hydrogel matrices, including particles, devices, bulk materials, and other objects which comprise, consist of, or are coated with such mixtures or matrices. The invention further relates to compositions comprising a hydrogel precursor mixture having a virus vector suspended therein, which, when administered to an animal, gel to form a hydrogel matrix containing a virus vector therein in a transfectious form. Methods of delivering a virus vector to an animal tissue are also described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L28 ANSWER 10 OF 10 USPATFULL

AN 2001:152673 USPATFULL
TI Methods for detecting and identifying single molecules
IN Cubicciotti, Roger S., Montclair, NJ, United States
PA Molecular Machines, Inc., Montclair, NJ, United States (U.S.
corporation)
PI US 6287765 B1 20010911
AI US 1998-81930 19980520 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Fredman, Jeffrey
LREP Licata & Tyrrell P.C.
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15456
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Multimolecular devices and drug delivery systems prepared from synthetic heteropolymers, heteropolymeric discrete structures, multivalent heteropolymeric hybrid structures, aptameric multimolecular devices, multivalent imprints, tethered specific recognition devices, paired specific recognition devices, nonaptameric multimolecular devices and immobilized multimolecular structures are provided, including molecular adsorbents and multimolecular adherents, adhesives, transducers, switches, sensors and delivery systems. Methods for selecting single synthetic nucleotides, shape-specific probes and specifically attractive surfaces for use in these multimolecular devices are also provided. In addition, paired nucleotide-nonnucleotide mapping libraries for transposition of selected populations of selected nonoligonucleotide molecules into selected populations of replicatable nucleotide sequences are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> dis hist

(FILE 'HOME' ENTERED AT 16:26:32 ON 17 MAR 2003)

FILE 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUIRE, BABS, BIOCOMMERCE,
BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CEN, CERAB, CIN,
COMPENDEX, CONFSCI, COPPERLIT, CORROSION, ENCOMPLIT, ENCOMPLIT2, FEDRIP,
GENBANK, INSPEC, INSPHYS, INVESTTEXT, IPA, ...' ENTERED AT 16:26:48 ON 17
MAR 2003

L1 687202 S CARBOHYDRATE
L2 132512 S L1 AND (OXID? OR REDUC? OR AMINAT?)
L3 4167 S L2 AND AQUEOUS
L4 420 S L3 AND CATALYS?
L5 1 S L4 AND NANO
L6 30 S L4 AND NANO?
L7 23 S L6 AND (POLYMER OR POLYMER-STABILIZED)

FILE 'APOLLIT, BABS, CAPLUS, CBNB, CEN, CIN, EMA, IFIPAT, JICST-EPLUS,
PASCAL, PLASNEWS, PROMT, RAPRA, SCISEARCH, TEXTILETECH, USPATFULL,
USPAT2, WPINDEX, WTEXTILES' ENTERED AT 16:36:17 ON 17 MAR 2003

L8 1212 S L7
L9 9703 S L4
L10 1551 S L9 AND NANO?
L11 1095943 S 10 AND (POLYMER OR POLYMER-STABILIZED)
L12 2 S L10 AND (POLYMER(W) STABILIZ)
L13 1212 S L10 AND (POLYMER OR POLYMER(W) STABLIL?)
L14 398 S L13 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)
L15 1212 S L10 AND (POLYMER OR POLYMER(W) STABIL?)
L16 398 S L15 AND (PLATINUM OR PALLADIUM OR RHODIUM OR RUTHENIUM)
L17 301 S L16 AND SUPPORT

L18 80 S L17 AND ALLOY
L19 21 S L18 AND PROMOTER
L20 4834 S L4 AND (FRUCTOSE OR SORBOSE OR SUCROSE OR ISOMALT?)
L21 763 S L20 AND NANO?
L22 716 S L21 AND (POLYMER OR STABILI? OR POLYMER-STABILI?)
L23 300 S L22 AND (PALLADIUM OR PLATINUM OR RHODIUM OR RUTHENIUM OR CO
L24 138 S L23 AND PROMOTER
L25 138 S L24 AND (AQUEOUS OR WATER)
L26 124 S L25 AND (SUPPORT AND MATERIAL)
L27 120 S L26 AND MEMBRANE
L28 10 S L27 AND ALLOY

=> s l23 and colloid
L29 90 L23 AND COLLOID

=> s l29 and alloy
L30 22 L29 AND ALLOY

=> dis l30 1-30 bib abs

L30 ANSWER 1 OF 22 CEN COPYRIGHT 2003 ACS

AN 2000:591 CEN
TI Exposition
SO Chemical & Engineering News, (28 Feb 2000) Vol. 78, No. 9, pp. 175.
CODEN: CENEAR, ISSN: 0009-2347.
PB American Chemical Society
LA English
WC 24185

L30 ANSWER 2 OF 22 USPATFULL

AN 2002:174926 USPATFULL
TI Method of producing lithographic printing plate
IN Nakayama, Takao, Shizuoka, JAPAN
Hoshi, Satoshi, Shizuoka, JAPAN
Mori, Nobufumi, Kanagawa, JAPAN
Nakamura, Takashi, Kanagawa, JAPAN
PA Fuji Photo Film Co., Ltd., Minami-Ashigara, JAPAN (non-U.S. corporation)
PI US 6420091 B1 20020716
AI US 2000-679351 20001005 (9)
PRAI JP 1999-288171 19991008
DT Utility
FS GRANTED
EXNAM Primary Examiner: Baxter, Janet; Assistant Examiner: Gilmore, Barbara
LREP Burns, Doane, Swecker & Mathis, LLP
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 1984

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of producing a lithographic printing plate which comprises subjecting a printing plate precursor comprising a support having a metallic compound layer which has a photo-catalytic property and a hydrophilic surface and bears light-heat convertible minute particles on the surface thereof to imagewise irradiation of heat mode to convert polarity of the metallic compound layer, thereby forming an imagewise hydrophobic region. The lithographic printing plate can be repeatedly employed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 3 OF 22 USPATFULL
AN 2002:90568 USPATFULL
TI Milled particles

IN Verhoff, Frank, Cincinnati, OH, UNITED STATES
Pace, Gary W., Winchester, MA, UNITED STATES
Snow, Robert A., West Chester, PA, UNITED STATES
Millar, Fay, Ladson, SC, UNITED STATES
PI US 2002047058 A1 20020425
AI US 2001-940864 A1 20010829 (9)
PRAI US 2000-229042P 20000831 (60)
DT Utility
FS APPLICATION
LREP NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Road, Arlington, VA,
22201
CLMN Number of Claims: 47
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 4197

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for milling a solid substrate in the milling chamber of a dispersion or media mill in the presence of a two or more compositions of milling media bodies is disclosed wherein all milling media bodies contribute to the grinding of the solid substrate and wherein at least one composition of media bodies provides fragments of milling media bodies that are retained with the milled solid substrate particles in the form of a synergetic commixture produced in the milling process. More specifically, a process is disclosed for preparing a synergetic commixture comprising small particles of a solid substrate and small particulates of a first material of a desired size comprising the steps of (a) providing to the milling chamber of a media mill a contents comprising a pre-mix of a solid substrate, a fluid carrier, a plurality of milling bodies of a first material having a fracture toughness K.sub.c1, and a plurality of milling bodies of a second material having a fracture toughness K.sub.c2; (b) operating the media mill to grind the solid substrate and degrade at least a portion of the milling bodies of first material to produce a dispersion in the fluid carrier comprising a synergetic commixture of small particulates of the first material and small particles of the solid substrate having a desired size equal to or less than a size Sp; (c) separating the dispersion from any milling bodies and solid substrate particles having a size larger than S.sub.p; and (d) optionally removing the fluid carrier from the dispersion to form a synergetic commixture free of fluid and comprising the particles and the small particulates, wherein K.sub.c2 is greater than K.sub.c1.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 4 OF 22 USPATFULL
AN 2002:60923 USPATFULL
TI Single-molecule selection methods and compositions therefrom
IN Cubicciotti, Roger S., Montclair, NJ, UNITED STATES
PI US 2002034757 A1 20020321
AI US 2001-907385 A1 20010717 (9)
RLI Continuation of Ser. No. US 1998-81930, filed on 20 May 1998, GRANTED,
Pat. No. US 6287765
DT Utility
FS APPLICATION
LREP LICATA & TYRRELL P.C., 66 E. MAIN STREET, MARLTON, NJ, 08053
CLMN Number of Claims: 129
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15716

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Single-molecule selection methods are provided for identifying target-binding molecules from diverse sequence and shape libraries. Complexes and imprints of selected target-binding molecules are also provided. The subject selection methods are used to identify oligonucleotide and nonnucleotide molecules with desirable properties

for use in pharmaceuticals, drug discovery, drug delivery, diagnostics, medical devices, cosmetics, agriculture, environmental remediation, smart materials, packaging, microelectronics and **nanofabrication**. Single oligonucleotide molecules with desirable binding properties are selected from diverse sequence libraries and identified by amplification and sequencing. Alternatively, selected oligonucleotide molecules are identified by sequencing without amplification. Nonnucleotide molecules with desirable properties are identified by single-molecule selection from libraries of conjugated molecules or nucleotide-encoded nonnucleotide molecules. Alternatively, target-specific nonnucleotide molecules are prepared by imprinting selected oligonucleotide molecules into nonnucleotide molecular media. Complexes and imprints of molecules identified by single-molecule selection are shown to have broad utility as drugs, prodrugs, drug delivery systems, willfully reversible cosmetics, diagnostic reagents, sensors, transducers, actuators, adhesives, adherents and novel multimolecular devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 5 OF 22 USPATFULL
AN 2001:176321 USPATFULL
TI HIGH ENERGY DENSITY VANADIUM ELECTROLYTE SOLUTIONS, METHODS OF PREPARATION THEREOF AND ALL-VANADIUM REDOX CELLS AND BATTERIES CONTAINING HIGH ENERGY VANADIUM ELECTROLYTE SOLUTIONS
IN KAZACOS, MICHAEL, SYLVANIA HEIGHTS, Australia
KAZACOS, MARIA SKYLAS, SYLVANIA HEIGHTS, Australia
PI US 2001028977 A1 20011011
US 6468688 B2 20021022
AI US 1998-945869 A1 19980224 (8)
WO 1996-AU268 19960503
None PCT 102(e) date
PRAI AU 1995-2747 19950503
AU 1995-4394 19950725
DT Utility
FS APPLICATION
LREP MORGAN & FINNEGAN, 345 PARK AVENUE, NEW YORK, NY, 10154
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN 30 Drawing Page(s)
LN.CNT 9569

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed is a method for preparing a high energy density (HED) electrolyte solution for use in an all-vanadium redox cells, a high energy density electrolyte solution, in particular an all-vanadium high energy density electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the high energy density electrolyte solution, a redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the HED electrolyte, a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell. A method for **stabilising** an electrolyte solution for use in a redox cell, in particular for **stabilising** an electrolyte solution for use in an all-vanadium redox cell, a **stabilised** electrolyte solution, in particular an all-vanadium **stabilised** electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the **stabilised** electrolyte solution, a redox battery, in particular an all-vanadium redox battery comprising the **stabilised** electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the **stabilised** electrolyte solution, and a process

for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the stabilised electrolyte solution are disclosed. Also disclosed are a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 6 OF 22 USPATFULL
AN 2001:152673 USPATFULL
TI Methods for detecting and identifying single molecules
IN Cubicciotti, Roger S., Montclair, NJ, United States
PA Molecular Machines, Inc., Montclair, NJ, United States (U.S.
corporation)
PI US 6287765 B1 20010911
AI US 1998-81930 19980520 (9)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Fredman, Jeffrey
LREP Licata & Tyrrell P.C.
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 15456

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Multimolecular devices and drug delivery systems prepared from synthetic heteropolymers, heteropolymeric discrete structures, multivalent heteropolymeric hybrid structures, aptameric multimolecular devices, multivalent imprints, tethered specific recognition devices, paired specific recognition devices, nonaptameric multimolecular devices and immobilized multimolecular structures are provided, including molecular adsorbents and multimolecular adherents, adhesives, transducers, switches, sensors and delivery systems. Methods for selecting single synthetic nucleotides, shape-specific probes and specifically attractive surfaces for use in these multimolecular devices are also provided. In addition, paired nucleotide-nonnucleotide mapping libraries for transposition of selected populations of selected nonoligonucleotide molecules into selected populations of replicatable nucleotide sequences are described.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 7 OF 22 USPATFULL
AN 1999:113664 USPATFULL
TI Methods and kits for the amplification of thin film based assays
IN Maul, Diana M., Thornton, CO, United States
Bogart, Gregory R., Fort Collins, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5955377 19990921
AI US 1995-403565 19950417 (8)
RLI Continuation of Ser. No. US 1993-75693, filed on 10 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-923090, filed on 31 Jul 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-653052, filed on 11 Feb 1991
PRAI EP 1991-308968 19911001
DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christopher L.
LREP Lyon & Lyon LLP
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5421

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for detecting an analyte of interest, comprising the steps of providing a detection device comprising a light reflective or transmissive substrate supporting one or more layers comprising an adhering attachment layer to which is affixed a receptive material which specifically interacts with the analyte of interest; reacting the device with a sample potentially comprising the analyte under conditions in which the analyte binds to the receptive material; and reacting bound analyte with a reagent which creates a mass change on the surface of the device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 8 OF 22 USPATFULL
AN 1999:18941 USPATFULL
TI Methods for detection of gram negative bacteria
IN Bogart, Gregory R., Berthoud, CO, United States
Moddel, Garret R., Boulder, CO, United States
Maul, Diana M., Thornton, CO, United States
Etter, Jeffrey B., Boulder, CO, United States
Crosby, Mark, Niwot, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5869272 19990209
AI US 1995-455652 19950531 (8)
RLI Division of Ser. No. US 1993-75952, filed on 10 Jun 1993, now patented,
Pat. No. US 5541057 which is a continuation-in-part of Ser. No. US
1992-924343, filed on 31 Jul 1992, now abandoned Ser. No. Ser. No. US
1992-873097, filed on 24 Apr 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989,
now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christopher L.
LREP Lyon & Lyon LLP
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5224

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for the determination of chlamydial or gram negative bacterial antigen comprising contacting a sample potentially containing extracted antigen with an optically active surface comprising an attachment layer, and a layer of non-specific protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 9 OF 22 USPATFULL
AN 1998:72421 USPATFULL
TI Method of separation employing magnetic particles and second medium
IN Vorpahl, John, Livermore, CA, United States
PA Dade Behring Marburg GmbH, Deerfield, IL, United States (U.S.
corporation)
PI US 5770388 19980623
AI US 1993-168263 19931213 (8)
DCD 20110118
RLI Continuation of Ser. No. US 1989-455550, filed on 22 Dec 1989, now
patented, Pat. No. US 5279936
DT Utility
FS Granted
EXNAM Primary Examiner: Wolski, Susan
LREP Jordan, Leland K, Rosenstock, Jerome, Leiterreg, Theodore J.
CLMN Number of Claims: 19
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1449

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are disclosed for separating a component of interest from a mixture containing the component of interest and other components. The method comprises contacting a first liquid medium containing the component of interest and other components with a second liquid medium that is of different density than and/or of different viscosity than the first liquid medium. The contact is carried out in such a way that mixing of the media is minimized or avoided. The component of interest is bound to magnetic particles. The contacted first liquid medium and second liquid medium are subjected to a magnetic field gradient to allow the magnetic particles to migrate into the second liquid medium and separation of the component of interest from other components is realized. Also disclosed are assays employing the present method. Kits for carrying out the present method and assays are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 10 OF 22 USPATFULL
AN 97:51921 USPATFULL
TI Methods for optimizing of an optical assay device
IN Bogart, Gregory R., Fort Collins, CO, United States
Etter, Jeffrey B., Boulder, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5639671 19970617
AI US 1995-412600 19950328 (8)
RLI Continuation of Ser. No. US 1993-76319, filed on 10 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-923048, filed on 31 Jul 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 5
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5193

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for optimizing an optical assay device for an analyte, including the steps of: providing a substrate having a chosen thickness of an optically active layer thereon; providing an attachment layer of a chosen thickness on the optical coating; providing a receptive layer of a chosen thickness for the analyte, wherein at least one of the thicknesses of the optically active layer, attachment layer and receptive layer is varied to provide a plurality of thicknesses of that layer; contacting analyte with the receptive layer under conditions in which an increase in mass on the receptive layer results; and determining the optical thickness of the layer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 11 OF 22 USPATFULL
AN 97:42799 USPATFULL
TI Method and instrument for detection of change of thickness or refractive index for a thin film substrate
IN Sandstrom, Torbjorn, Molnlycke, Sweden
Stiblert, Lars, G oteborg, Sweden
Maul, Diana M., Thornton, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5631171 19970520
AI US 1995-455493 19950531 (8)
RLI Continuation of Ser. No. US 1993-75128, filed on 10 Jun 1993, now

patented, Pat. No. US 5494829 which is a continuation-in-part of Ser. No. US 1992-923268, filed on 31 Jul 1992, now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5160

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An instrument configured and arranged to detect a change in thickness or refractive index of a thin film substrate. A method for optimizing the instrument and a method for detecting a change in thickness or refractive index of a thin film substrate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 12 OF 22 USPATFULL
AN 97:40693 USPATFULL
TI Methods for forming an optical device for detecting the presence or amount of an analyte
IN Crosby, Mark, Niwot, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5629214 19970513
AI US 1995-456040 19950531 (8)
RLI Division of Ser. No. US 1993-75952, filed on 10 Jun 1993, now patented, Pat. No. US 5541057 which is a continuation-in-part of Ser. No. US 1992-924343, filed on 31 Jul 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Chin, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN 63 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5272

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for forming an optical device for detecting the presence or amount of an analyte of interest comprising a substrate which supports an optically active layer, an attachment layer provided on the optically active layer, and a receptive layer specific to the analyte provided on the attachment layer. The method comprises forming the optically active layer with a chosen refractive index on the substrate by curing the optically active layer on the substrate at a controlled temperature or for a controlled length of time and subsequently providing the attachment and receptive layers on the optically active layer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 13 OF 22 USPATFULL
AN 96:80141 USPATFULL
TI Detection of an analyte by fluorescence using a thin film optical device
IN Bogart, Gregory R., Berthoud, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5552272 19960903
AI US 1993-76348 19930610 (8)
DT Utility
FS Granted
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chin, Christopher L.

LREP Lyon & Lyon
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 29 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5378

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Device for detecting the presence or amount of an analyte of interest, comprising a reflective solid, optical support and a label capable of generating fluorescent signal upon excitation with a suitable light source wherein said support comprises an attachment layer comprising a chemical selected from the group consisting of dendrimers, star polymers, molecular self-assembling polymers, polymeric siloxanes, and film forming latexes wherein the support provides an enhanced level of exciting photons to the immobilized fluorescent label compound, and wherein the support also increases the capture of fluorescent signal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 14 OF 22 USPATFULL
AN 96:77716 USPATFULL
TI Methods for production of an optical assay device
IN Bogart, Gregory R., Berthoud, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5550063 19960827
AI US 1993-76347 19930610 (8)
RLI Continuation-in-part of Ser. No. US 1992-923270, filed on 31 Jul 1992, now abandoned And a continuation-in-part of Ser. No. US 1991-653064, filed on 11 Feb 1991, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chi, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5184

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for producing an optical assay device having a substrate and one or more optical layers, an attachment layer and a receptive layer, including the step of spin coating an anti-reflective layer or an attachment layer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 15 OF 22 USPATFULL
AN 96:67879 USPATFULL
TI Methods for detection of an analyte
IN Bogart, Gregory R., Berthoud, CO, United States
Moddel, Garret R., Boulder, CO, United States
Maul, Diana M., Thornton, CO, United States
Etter, Jeffrey B., Boulder, CO, United States
Crosby, Mark, Niwot, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5541057 19960730
AI US 1993-75952 19930610 (8)
RLI Continuation-in-part of Ser. No. US 1992-924343, filed on 31 Jul 1992, now abandoned And a continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Sisson, Bradley L.

LREP Lyon & Lyon
CLMN Number of Claims: 30
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5337

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Method for detecting the presence or amount of an analyte of interest in a sample by providing a substrate having an optically active surface exhibiting a first color in response to light impinging thereon, and exhibiting a second color comprising a combination of wavelengths of light different from the first color or comprising an intensity of at least one wavelength of light different from the first color, in response to the light when the analyte is present on the surface in an amount selected from any one of 0.1 nM, 0.1 ng/ml, 50 fg, 2.times.10.sup.3 organisms comprising the analyte; and contacting the optically active surface with a sample potentially comprising the analyte of interest under conditions in which the analyte can interact with the optically active surface to cause the optically active surface to exhibit the second color when the analyte is present.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 16 OF 22 USPATFULL
AN 96:16908 USPATFULL
TI Devices and methods for detection of an analyte based upon light interference
IN Sandstrom, Torbjorn, Molnlycke, Sweden
Stiblert, Lars, Gothengurg, Sweden
Maul, Diana M., Thornton, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5494829 19960227
AI US 1993-75128 19930610 (8)
RLI Continuation-in-part of Ser. No. US 1992-923268, filed on 31 Jul 1992, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Scheiner, Toni R.; Assistant Examiner: Chin, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5185

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Instrument configured and arranged to detect the presence or amount of an analyte of interest on the substrate of an optical device. The instrument has a source of linearly polarized, monochromatic light positioned at an angle other than Brewster's angle relative to the substrate; and an analyzer positioned at the same angle relative to the substrate at a location suitable for detecting reflected polarized light from the substrate; wherein the analyzer is configured and arranged to approximately maximize the change in intensity of the light reflected from the substrate that is transmitted through the analyzer when a change in mass occurs at the substrate relative to an unreacted surface.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 17 OF 22 USPATFULL
AN 96:3626 USPATFULL
TI Devices and methods for detection of an analyte based upon light interference
IN Bogart, Gregory R., Berthoud, CO, United States
Moddel, Garret R., Boulder, CO, United States
Maul, Diana M., Thornton, CO, United States

PA Etter, Jeffrey B., Boulder, CO, United States
PI Biostar, Inc., Boulder, CO, United States (U.S. corporation)
AI US 5482830 19960109
AI US 1993-76320 19930610 (8)
DCD 20121125
RLI Continuation-in-part of Ser. No. US 1992-923304, filed on 31 Jul 1992,
now abandoned And a continuation-in-part of Ser. No. US 1992-873097,
filed on 24 Apr 1992, now abandoned And a continuation-in-part of Ser.
No. US 1991-653064, filed on 11 Feb 1991, now abandoned And a
continuation-in-part of Ser. No. US 1991-653052, filed on 11 Feb 1991,
now abandoned And a continuation-in-part of Ser. No. US 1988-260317,
filed on 20 Oct 1988, now abandoned And a continuation-in-part of Ser.
No. US 1992-917121, filed on 31 Jul 1992, now abandoned which is a
continuation-in-part of Ser. No. US 1989-408296, filed on 18 Sep 1989,
now abandoned , said Ser. No. US -873097 which is a
continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep 1989,
now abandoned , said Ser. No. US -260317 which is a
continuation-in-part of Ser. No. US 1986-832682, filed on 25 Feb 1986,
now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chin, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN 62 Drawing Figure(s); 23 Drawing Page(s)
LN.CNT 5305
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Device for detecting the presence or amount of an analyte of interest,
having a substrate possessing an optically active surface which exhibits
a first color in response to light impinging thereon, and exhibits a
second color comprising a combination of wavelengths of light different
from the first color or comprising an intensity of at least one
wavelength of light different from the first color, in response to the
light when the analyte is present on the surface of any amount selected
from 0.1 nM, 0.1 ng/ml, 50 fg, and 2.times.10.sup.3 organisms comprising
the analyte.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 18 OF 22 USPATFULL
AN 95:103369 USPATFULL
TI Devices for detection of an analyte based upon light interference
IN Bogart, Gregory R., Fort Collins, CO, United States
Moddel, Garret R., Boulder, CO, United States
Maul, Diana M., Thornton, CO, United States
Etter, Jeffrey B., Boulder, CO, United States
PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)
PI US 5468606 19951121
AI US 1992-923304 19920731 (7)
RLI Continuation-in-part of Ser. No. US 1992-873097, filed on 24 Apr 1992,
now abandoned Ser. No. Ser. No. US 1991-653064, filed on 11 Feb 1991,
now abandoned And Ser. No. US 1992-917121, filed on 29 Sep 1992, now
abandoned which is a continuation-in-part of Ser. No. US 1989-408296,
filed on 18 Sep 1989, now abandoned , said Ser. No. US -873097 which
is a continuation-in-part of Ser. No. US 1989-408291, filed on 18 Sep
1989, now abandoned

DT Utility
FS Granted
EXNAM Primary Examiner: Saunders, David; Assistant Examiner: Chin, Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 47

ECL Exemplary Claim: 1

DRWN 59 Drawing Figure(s); 21 Drawing Page(s)

LN.CNT 4482

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Device for detecting the presence or amount of an analyte of interest, having a substrate possessing an optically active surface which exhibits a first color in response to light impinging thereon, and exhibits a second color comprising a combination of wavelengths of light different from the first color or comprising an intensity of at least one wavelength of light different from the first color, in response to the light when the analyte is present on the surface in any amount selected from 0.1 nM, 0.1 ng/ml, 50 fg, and 2.times.10.sup.3 organisms comprising the analyte.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 19 OF 22 USPATFULL

AN 95:94697 USPATFULL

TI Biochemically active agents for chemical **catalysis** and cell receptor activation

IN Kossovsky, Nir, Los Angeles, CA, United States
Sponsler, Edward, Burbank, CA, United States
Gelman, Andrew, Los Angeles, CA, United States

Rajguru, Samir, Los Angeles, CA, United States

PA The Regents of the University of California, Oakland, CA, United States (U.S. corporation)

PI US 5460830 19951024

AI US 1993-145870 19931101 (8)

DCD 20100112

RLI Continuation-in-part of Ser. No. US 1993-199, filed on 4 Jan 1993, now patented, Pat. No. US 5334394 which is a continuation-in-part of Ser. No. US 1991-690601, filed on 24 Apr 1991, now patented, Pat. No. US 5178882 which is a continuation-in-part of Ser. No. US 1990-542255, filed on 22 Jun 1990, now patented, Pat. No. US 5219577

DT Utility

FS Granted

EXNAM Primary Examiner: Page, Thurman K.; Assistant Examiner: Spear, James M.

LREP Poms, Smith, Lande & Rose

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1399

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A biologically active composition made up of core particles or surfaces which are coated with a layer which is designed to allow attachment of biochemically reactive pairs (BRP's) without denaturing the BRP to the microparticles. BRP's which may be attached include ligand-receptor pairs, enzyme-substrate pairs, drug-receptor pairs, **catalyst**-reactant pairs, toxin-ligand pairs, absorbant-absorbate pairs and adsorbant-adsorbate pairs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 20 OF 22 USPATFULL

AN 95:45508 USPATFULL

TI Devices for detection of an analyte based upon light interference

IN Miller, B. John, Boulder, CO, United States

Maul, Diana M., Thornton, CO, United States

Blessing, James, Boulder, CO, United States

Crosby, Mark, Niwot, CO, United States

Kelley, Howard, Boulder, CO, United States

PA Biostar, Inc., Boulder, CO, United States (U.S. corporation)

PI US 5418136 19950523

AI US 1993-76719 19930610 (8)

RLI Continuation-in-part of Ser. No. US 1992-923332, filed on 31 Jul 1992,
now abandoned
PRAI EP 1991-308968 19911001
DT Utility
FS Granted
EXNAM Primary Examiner: Scheiner, Toni R.; Assistant Examiner: Chin,
Christopher L.
LREP Lyon & Lyon
CLMN Number of Claims: 39
ECL Exemplary Claim: 1
DRWN 29 Drawing Figure(s); 22 Drawing Page(s)
LN.CNT 5297
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Optical assay device having an active receptive surface supported on a pedestal and held within a first container; the first container comprising first absorbent material located at the base of the pedestal, configured and arranged to absorb liquid draining from the surface, and having a second container, hingedly connected to one side of the first container, the second container comprising a second absorbent material, wherein the second container can be closed to the first container by rotation about the hinge, and wherein such closing causes the second absorbent material to contact the surface.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 21 OF 22 USPATFULL
AN 94:5790 USPATFULL
TI Method of separation employing magnetic particles and second medium
IN Vorpahl, John, Livermore, CA, United States
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PI US 5279936 19940118
AI US 1989-455550 19891222 (7)
DCD 20070619
DT Utility
FS Granted
EXNAM Primary Examiner: Nucker, Christine M.; Assistant Examiner: Preston, D. R.

LREP Leiterreg, Theodore J., Bosse, Mark L.
CLMN Number of Claims: 80
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1535

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are disclosed for separating a component of interest from a mixture containing the component of interest and other components. The method comprises contacting a first liquid medium containing the component of interest and other components with a second liquid medium that is of different density than and/or of different viscosity than the first liquid medium. The contact is carried out in such a way that mixing of the media is minimized or avoided. The component of interest is bound to magnetic particles. The contacted first liquid medium and second liquid medium are subjected to a magnetic field gradient to allow the magnetic particles to migrate into the second liquid medium and separation of the component of interest from other components is realized. Also disclosed are assays employing the present method. Kits for carrying out the present method and assays are also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 22 OF 22 USPAT2
AN 2001:176321 USPAT2
TI High energy density vanadium electrolyte solutions, methods of preparation thereof and all-vanadium redox cells and batteries containing high energy vanadium electrolyte solutions

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PI US 6468688 B2 20021022
WO 9635239 19961107
AI US 1998-945869 19980224 (8)
WO 1996-AU268 19960503
19980224 PCT 371 date
PRAI AU 1995-2747 19950503
AU 1995-4394 19950725
DT Utility
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EXNAM Primary Examiner: Weiner, Laura
LREP Morgan & Finnegan, LLP
CLMN Number of Claims: 27
ECL Exemplary Claim: 1
DRWN 32 Drawing Figure(s); 30 Drawing Page(s)
LN.CNT 11699
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed is a method for preparing a high energy density (HED) electrolyte solution for use in an all-vanadium redox cells, a high energy density electrolyte solution, in particular an all-vanadium high energy density electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the high energy density electrolyte solution, a redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the HED electrolyte solution, a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the HED electrolyte, a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell. A method for **stabilising** an electrolyte solution for use in a redox cell, in particular for **stabilising** an electrolyte solution for use in an all-vanadium redox cell, a **stabilised** electrolyte solution, in particular an all-vanadium **stabilised** electrolyte solution, a redox cell, in particular an all-vanadium redox cell, comprising the **stabilised** electrolyte solution, a redox battery, in particular an all-vanadium redox battery comprising the **stabilised** electrolyte solution, a process for recharging a discharged or partially discharged redox battery, in particular an all-vanadium redox battery, comprising the **stabilised** electrolyte solution, and a process for the production of electricity from a charged redox battery, and in particular a charged all-vanadium redox battery, comprising the **stabilised** electrolyte solution are disclosed. Also disclosed are a redox battery/fuel cell and a process for the production of electricity from a redox battery/fuel cell.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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COST IN U.S. DOLLARS

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4	3061	(polysaccharide and (oxidise or oxidize or oxidation)) and catalyst	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:31
5	563	((polysaccharide and (oxidise or oxidize or oxidation)) and catalyst) and nano\$	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:32
6	539	((polysaccharide and (oxidise or oxidize or oxidation)) and catalyst) and nano\$) and (polymer or stabilized)	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:33
7	81	((polysaccharide and (oxidise or oxidize or oxidation)) and catalyst) and nano\$) and (polymer or stabilized)) and alloy	USPAT; US-PGPUB; EPO; DERWENT	2003/03/17 17:33